



NEW MEXICO
ENVIRONMENT DEPARTMENT

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Draft: February 10, 2021

GROUND WATER QUALITY BUREAU
DISCHARGE PERMIT
Issued under 20.6.2 NMAC

Facility Name: Vermejo Park Ranch
Discharge Permit Number: DP-261
Facility Location: 1000 Vermejo Park Ranch Road
Sections 23, 25, 26, and 36, Township 31N, Range 18E

County: Colfax

Permittee: Gustav Holm
Mailing Address: P.O. Drawer E
Raton, NM 87740

Facility Contact: Matt Fleming
Telephone Number/Email: 575-445-2059/matt.fleming@vermejo.com

Permitting Action: Renewal and Modification

Permit Issuance Date: DATE
Permit Expiration Date: DATE
[20.6.2.3109.H(4) NMAC]

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MICHELLE HUNTER
Chief, Ground Water Quality Bureau
New Mexico Environment Department

Date

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ATTACHMENTS

Discharge Permit Summary

Groundwater Discharge Permit Guidance for Synthetically Lined Lagoons – Liner
Material and Site Preparation, Revision 0.0, May 2007

New Mexico Environment Department Ground Water Quality Bureau Monitoring Well
Construction and Abandonment Guidelines, Revision 1.1, March 2011 (Monitoring
Well Guidance)

Surface Disposal Data Sheet (SDDS-Septage- <https://www.env.nm.gov/gwb/forms.htm>)

I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit renewal and modification (Discharge Permit or DP-261) to Vermejo Park, LLC (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from Vermejo Park Ranch (Facility) in order to protect groundwater and those segments of surface water gaining from groundwater inflow for present and potential future use as domestic and agricultural water supply and other uses, and to protect public health. It is NMED's determination in issuing this Discharge Permit that the Permittee has met the requirements of Subsection C of 20.6.2.3109 NMAC. The Permittee is responsible for complying with the terms and conditions of this Discharge Permit pursuant to Section 20.6.2.3104 NMAC; failure to do so may result in enforcement action by NMED (20.6.2.1220 NMAC).

Described below are the activities that produce discharges at the Facility, the location of the discharges, and the quantity, quality and flow characteristics of the discharges.

Twenty three septic tank/leachfield systems receive and treat domestic wastewater, two grease trap tanks, and one evaporation impoundment receiving vehicle wash water, i.e., Vehicle Wash Water Impoundment, discharge at a total maximum volume of up to 42,640 gallons per day (gpd). The Discharge Permit modification consists of an increase in the maximum daily discharge volume at the Facility from 22,197 gpd to 42,640 gpd. The additional modification consists of the addition of a domestic septage land disposal area on two 2-acre disposal cells, i.e., the Septage Disposal Area. This additional waste disposal area receives a total maximum discharge of 20,000 gallons per year, or an average daily discharge of 55 gallons.

A discharge at the Facility may contain water contaminants or toxic pollutants elevated above the standards of Section 20.6.2.3103 NMAC and is not subject to the exemption at Subsection 20.6.2.3105.A NMAC.

The Facility is located approximately 40 miles west of Raton in Sections 23, 25, 26, and 36, Township 31N, Range 18E, in Colfax County. A discharge from the Facility's septic tank/leach fields, grease tanks, and the evaporation impoundment is most likely to affect groundwater at approximated depths ranging between 10 and 30 feet and has a total dissolved solids (TDS) concentration of approximately 1,400 milligrams per liter. The Facility's Septage Disposal Area is located near the Facility's main entrance, within the Beaubien and Miranda Land Grant. Groundwater at the Septage Disposal Area most likely to be affected is at a depth of approximately 240 feet and has a TDS concentration of approximately 2,700 milligrams per liter.

NMED issued the original Discharge Permit to the Permittee on January 24, 1983, and subsequently renewed the Permit on September 4, 1987, July 14, 1993, and October 20, 1998, renewed and modified the Permit on December 27, 2004, and April 30, 2008, and last renewed the Permit on July 12, 2013. The application (i.e., discharge plan) associated with this Discharge Permit consists of the materials submitted by the Permittee dated July 12, 2013, and materials contained in the administrative record prior to issuance of this Discharge Permit. The Permittee shall manage the discharge in accordance with all conditions and requirements of this Discharge Permit.

NMED reserves the right to require a Discharge Permit Modification in the event NMED determines that the Permittee is or may be violating, or is likely to violate in the future, the requirements of 20.6.2 NMAC or the standards of Section 20.6.2.3103 NMAC. NMED reserves this right pursuant to Section 20.6.2.3109 NMAC. An NMED requirement to modify the Discharge Permit may result from a determination by the department that structural controls and/or management practices approved under this Discharge Permit are insufficiently protective of groundwater quality and human health. NMED reserves the right to require the Permittee implement abatement of water pollution and remediate groundwater quality.

NMED issuance of this Discharge Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

This Discharge Permit may use the following acronyms and abbreviations.

Abbreviation	Explanation	Abbreviation	Explanation
BOD ₅	biochemical oxygen demand (5-day)	NMSA	New Mexico Statutes Annotated
CFR	Code of Federal Regulations	NO ₃ -N	nitrate-nitrogen
CFU	colony forming unit	NTU	nephelometric turbidity units
Cl	chloride	QA/QC	Quality Assurance/Quality Control
EPA	United States Environmental Protection Agency	TDS	total dissolved solids
gpd	gallons per day	TKN	total Kjeldahl nitrogen
LAA	land application area	total nitrogen	= TKN + NO ₃ -N
LADS	Land Application Data Sheet(s)	TRC	total residual chlorine
mg/L	milligrams per liter	TSS	total suspended solids
mL	milliliters	WQA	New Mexico Water Quality Act
MPN	most probable number	WQCC	Water Quality Control Commission

Abbreviation	Explanation		Abbreviation	Explanation
NMAC	New Mexico Administrative Code		WWTF	Wastewater Treatment Facility
NMED	New Mexico Environment Department			

II. FINDINGS

In issuing this Discharge Permit, NMED finds the following.

1. The Permittee is discharging effluent or leachate from the Facility so that such effluent or leachate may move into groundwater of the State of New Mexico that has an existing concentration of 10,000 mg/L or less of TDS, within the meaning of Subsection A of 20.6.2.3101 NMAC, without exceeding standards of 20.6.2.3103 NMAC for any water contaminant.
2. This Discharge Permit allows the Permittee to discharge effluent or leachate from the Facility directly or indirectly into groundwater pursuant to this Discharge Permit and Sections 20.6.2.3000 through 20.6.2.3114 NMAC.
3. The discharge from the Facility is not subject to any of the exemptions of Section 20.6.2.3105 NMAC.

III. AUTHORIZATION TO DISCHARGE

The Permittee is responsible for ensuring that discharges authorized by this Discharge Permit are consistent with the terms and conditions herein pursuant to 20.6.2.3104 NMAC.

This Discharge Permit authorizes the Permittee to discharge up to 42,640 gpd of wastewater to 24 septic tank/leachfield systems, two grease waste tanks, and to the Vehicle Wash Water Impoundment. This Discharge Permit also authorizes the Permittee to discharge up to 20,000 gallons per year of domestic septage by land disposal on two 2-acre disposal cells.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection D of 20.6.2.3109 NMAC]

IV. CONDITIONS

NMED issues this Discharge Permit for the discharge of water contaminants subject to the following conditions.

A. OPERATIONAL PLAN

#	Terms and Conditions
1.	The Permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 2 and 4 NMAC. [Subsection C of 20.6.2.3109 NMAC]
2.	The Permittee shall operate in a manner that does not violate standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC. [20.6.2.3101 NMAC, 20.6.2.3103 NMAC, Subsection C of 20.6.2.3109 NMAC]

Operational Actions with Implementation Deadlines

#	Terms and Conditions
3.	Septage Disposal Area: Prior to discharging domestic septage to the Septage Disposal Area, the Permittee shall submit written notification to NMED stating the date the discharge is to commence. [Subsection A of 20.6.2.3107 NMAC, Subsection H of 20.6.2.3109 NMAC]
4.	Septage Disposal Area: Prior to discharging to the Septage Disposal Area, the Permittee shall submit an up-to-date diagram of the layout of the Area to NMED. The diagram shall include the following elements: <ul style="list-style-type: none">• a north arrow;• the effective date of the diagram;• Area surface water drainage;• all components of the disposal Area, e.g., berms, fence; and [Subsection C of 20.6.2.3106 NMAC, Subsection A of 20.6.2.3107 NMAC]
5.	Septage Disposal Area: Within 30 days of the effective date of this Discharge Permit (by DATE), the Permittee shall post the following signs at the following locations at the Septage Disposal Area: <ul style="list-style-type: none">• Signs posted at the Septage Disposal Area entrance and every 500 feet along the facility boundary that state: "Notice: Waste Disposal Area - KEEP OUT" and "Aviso: Área de Disposición - NO ENTRAR".• A sign posted at the Septage Disposal Area entrance gate stating "Vermejo Park Ranch Septage Disposal Area," the name of the Facility's contact person, office phone

#	Terms and Conditions
	<p>number of the contact person, and an emergency contact phone number for the Facility.</p> <ul style="list-style-type: none">• A sign at the boundary of each of the two cells to identify the cell number. <p>The Permittee shall ensure all signs are weatherproof and legible for the term of this Discharge Permit.</p> <p>Within 30 days of posting of the signs, the Permittee shall submit to NMED a written description of the posting of the signs and date-stamped photographic documentation of the posting of the signs.</p> <p>[NMSA 1978, § 74-6-5.D, Subsections B and C of 20.6.2.3109 NMAC]</p>
6.	<p>Septage Disposal Area: Prior to discharging to the Septage Disposal Area and to prevent run-on and run-off from a storm event, the Permittee shall install and maintain earthen berms surrounding the perimeter of the Septage Disposal Area and in between disposal cells that are a minimum of 24 inches above natural grade. In place of a berm across the facility entrance, the Permittee shall construct and maintain shallow (minimum depth of six inches) stormwater diversion trenches parallel to and on each side of the facility entrance gate. The Permittee shall maintain all berms and trenches until termination of the Permit and the Permittee has met the closure condition requirements.</p> <p>The Permittee shall inspect the berms on a monthly basis and after any major rainfall event and repair as necessary.</p> <p>The Permittee shall keep a log of the inspection findings and repairs that includes a date of the inspection and the name of the person responsible for the inspection and shall make the log available to NMED upon request.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
7.	<p>Septage Disposal Area: Prior to discharging to the Septage Disposal Area, the Permittee shall install and maintain fences around the Septage Disposal Area to restrict access. A minimum of a three-strand barbed wire fence including a locked gate shall surround the Area.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
8.	<p>Vehicle Wash Water Impoundment: Within 90 days following the issuance date of this Discharge Permit (by DATE), the Permittee shall install fences around the Vehicle Wash Impoundment to control access by the general public and animals. The fences shall consist of a minimum of six-foot chain link or field fencing and locking gates.</p>

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	<p>Documentation of fence installation shall consist of a narrative statement describing the fences and gates and date-stamped photographs. The Permittee shall submit the documentation to NMED in the next required periodic monitoring report.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
9.	<p>Vehicle Wash Water Impoundment: Within 30 days of the issuance date of this Discharge Permit (by DATE), the Permittee shall post signs at the Vehicle Wash Impoundment indicating that the wastewater is not potable. Posted signs shall be in English and Spanish and shall be legible during the term of this Discharge Permit.</p> <p>The Permittee shall submit documentation demonstrating sign installation that consists of date stamped photographs to NMED in the next required periodic monitoring report.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>

Operating Conditions

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10.	<p>Vehicle Wash Water Impoundment: The Permittee shall maintain the Vehicle Wash Water Impoundment liner in such a manner as to avoid conditions that could affect the liner or the structural integrity of the Impoundment. Characterization of such conditions may include the following:</p> <ul style="list-style-type: none">• erosion damage;• animal burrows or other damage;• the presence of vegetation including aquatic plants, weeds, woody shrubs or trees growing within five feet of the top inside edge of a sub-grade impoundment, within five feet of the toe of the outside berm of an above-grade impoundment, or within the impoundment itself;• the presence of large debris or large quantities of debris in the impoundment;• evidence of seepage; or• evidence of berm subsidence. <p>The Permittee shall routinely control vegetation growing around the impoundment by mechanical removal in a manner that is protective of the impoundment liner.</p> <p>The Permittee shall visually inspect the impoundment and surrounding berms on a monthly basis to ensure proper maintenance. In the event that inspection reveals any evidence of damage that threatens the structural integrity of an impoundment berm or</p>

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	<p>liner, or that may result in an unauthorized discharge, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit.</p> <p>The Permittee shall create and maintain a log of all impoundment inspections which describes the findings and repairs, the date of the inspection, and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
11.	<p>Vehicle Wash Water Impoundment: The Permittee shall preserve a minimum of two feet of freeboard between the liquid level in the Vehicle Wash Water Impoundment and the elevation of the top of the Impoundment liner.</p> <p>In the event that the Permittee determines that two feet of freeboard cannot be preserved in the impoundment, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
12.	<p>Septage Disposal Area: The Permittee shall inspect the Septage Disposal Area weekly and collect any residual solid waste (trash) on the Facility site. The Permittee shall dispose of the collected materials in a manner consistent with all local, state and federal regulations.</p> <p>The Permittee shall maintain a log of the inspections that includes a date of the inspection and the name of the person responsible for the inspection. The Permittee shall make the inspection log available to NMED upon request.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections B and C of 20.6.2.3109 NMAC]</p>
13.	<p>Septage Disposal Area: The Permittee shall not discharge septage wastes at the Septage Disposal Area during periods of precipitation or when surface soils are frozen or saturated. The Permittee may store wastes on-site in tanker trucks during these periods.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
14.	<p>Septic tank/leach fields: The Permittee shall visually inspect the area above the septic tank/leach field disposal systems semi-annually to ensure proper maintenance. The Permittee shall correct any conditions that indicate damage to a disposal system. The Permittee shall ensure conditions corrected include erosion damage, animal</p>

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	<p>activity/damage, woody shrubs, evidence of seepage, or any other condition indicating improper construction or damage.</p> <p>The Permittee shall keep a log of the septic tank/leach field disposal system inspection findings and repairs that includes a date of the inspection, a system identifier as provided in the Facility Layout Diagram, and the name of the inspector. The Permittee shall make the log available to NMED upon request.</p> <p>In the event of a failure of a septic tank/leach field disposal system, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
15.	<p>Septic tank/leach fields: The Permittee shall inspect all septic tanks semi-annually for the accumulation of scum and solids. In the event that the scum layer exceeds three inches or the settled solids occupy 30% or more of the tank volume, the contents of the tanks shall be pumped by a septage pumper meeting the qualification requirements identified in Subsection D of 20.7.3.904 NMAC, Liquid Waste Disposal and Treatment Regulations.</p> <p>The Permittee shall create and maintain a log of all septic tank inspections which describes the findings, repairs, and removals, the date of the inspection, and the name of the person responsible for the inspection.</p> <p>The Permittee shall maintain a record of solids removal and disposal, including the name of the septage hauler, date of shipment to the Septage Disposal Area, volume of solids removed, disposal method, and disposal location. The Permittee shall make the records available to NMED upon request.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
16.	<p>Grease interceptor tanks: The Permittee shall inspect the grease interceptor on a quarterly basis and remove accumulated grease and settled solids as needed to prevent the materials from fouling and/or exiting the unit.</p> <p>The Permittee shall create and maintain a log of all grease interceptor inspections which describes all findings, repairs, removals, the date of the inspection, and the name of the person responsible for the inspection.</p> <p>The Permittee shall not dispose of grease interceptor waste at the Septage Disposal Area.</p>

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	<p>The Permittee shall maintain a record of grease/solids removal and disposal, including date, volume of grease/solids removed, disposal method and disposal location. The Permittee shall make the records of inspections and grease/solids removal and disposal available to NMED upon request.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
17.	<p>Septage Disposal Area: The Permittee shall incorporate domestic septage into the Septage Disposal Area soils by disking the areas within six hours following surface disposal in the disposal cells. The Permittee shall incorporate septage into the Area cell Is on a rotational basis. The Permittee shall minimize ponding of septage. The Permittee shall ensure treatment and disposal of domestic septage is performed in accordance with requirements set forth in 40 CFR Part 503.</p> <p>The Permittee shall record on the manifest or a waste transfer record the date and times of surface disposal, the date and times of the disking of the associated septage, and identification of the cell into which the septage was applied.</p> <p>[Subsections B and C 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D, 40 CFR 503]</p>
18.	<p>Septage Disposal Area: The Permittee shall discharge domestic septage to the disposal cells in the Septage Disposal Area such that the amount of total nitrogen discharged does not exceed 200 pounds per acre in any 12-month period. The Permittee shall distribute septage evenly throughout the entire disposal area.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>

B. MONITORING AND REPORTING

#	Terms and Conditions
19.	<p>The Permittee shall conduct the monitoring, reporting, and other requirements listed below in accordance with the monitoring requirements of this Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
20.	<p>METHODOLOGY – Unless otherwise specified by this Discharge Permit, or approved in writing by NMED, the Permittee shall use sampling and analytical techniques that conform with the references listed in Subsection B of 20.6.2.3107 NMAC.</p> <p>[Subsection B of 20.6.2.3107 NMAC]</p>

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21.	<p>Semi-annual monitoring: The Permittee shall perform monitoring and other Permit required actions during the following periods and shall submit semi-annual reports to NMED by the following due dates:</p> <ul style="list-style-type: none">• January 1st through June 30th – due by August 1st; and• July 1st through December 31st – due by February 1st. <p>[Subsection A of 20.6.2.3107 NMAC]</p>
22.	<p>Septage Disposal Area: The Permittee shall retain on-site a manifest or a waste transfer record for each load of waste received at the Septage Disposal Area. The Permittee shall ensure the manifest records the following information:</p> <ul style="list-style-type: none">• date of receipt;• volume of waste;• signature of person conducting the inspection;• cell identification and location within the cell where the Permittee discharged the waste;• time of disposal activity; and• time of diking completion. <p>The Permittee shall make the manifests available for inspection by NMED upon request. The Permittee shall submit a summary listing the information from each manifest for wastes received during the reporting period to NMED in the semi-annual monitoring reports.</p> <p>[NMSA 1978, § 74-6-5.D, Subsection A 20.6.2.3107 NMAC]</p>
23.	<p>Septage Disposal Area: The Permittee shall, on a monthly basis, complete a Surface Disposal Data Sheet for Septage (SDDS-Septage, attached) to document the amount of nitrogen in septage discharged to each surface disposal cell in the Septage Disposal Area. The Permittee shall complete a SDDS for each cell and shall reflect the volume and total nitrogen concentration of waste discharged to the disposal cells for each month. To determine the amount of nitrogen in septage applied, the Permittee may assume a total nitrogen concentration of 600 mg/L, based on average characteristics of septage (Guide to Septage Treatment and Disposal, EPA/625/R-94-002), or may use a total nitrogen value from the laboratory analysis of a composite sample from a minimum of six waste loads semi-annually using a sampling protocol approved by NMED prior to sample collection.</p> <p>The Permittee shall not adjust the nitrogen content to account for volatilization or mineralization processes. If the Permittee derives the total nitrogen value from</p>

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	<p>laboratory analysis, the Permittee shall submit the analytical results, including the laboratory QA/QC summary report and Chain of Custody, to NMED in the semi-annual monitoring reports.</p> <p>The Permittee shall submit the SDDSs, or a statement that no surface disposal occurred within the cell(s), to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 and Subsection H of 20.6.2.3109 NMAC]</p>

Monitoring Actions with Implementation Deadlines

#	Terms and Conditions
24.	<p>Within 120 days of the issuance date of this Discharge Permit (by DATE), the Permittee shall install the following new monitoring well.</p> <p>a. One monitoring well (MW-6) located near the Employee Housing in Spring Creek Ridge and 20 to 50 feet hydrologically downgradient of Houses 23 and 24.</p> <p>The Permittee shall complete the well(s) in accordance with the attachment titled (Monitoring Well Guidance) or alternative methods submitted for approval.</p> <p>Unless otherwise noted in this Discharge Permit, the requirement to install a monitoring well downgradient of a source is not contingent upon construction of the Facility, or discharge of wastewater from the Facility.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
25.	<p>Following the installation of the monitoring well required by this Discharge Permit, the Permittee shall sample groundwater in the well and analyze the samples for TKN, NO₃-N, TDS and Cl.</p> <p>Groundwater sample collection, preservation, transport and analysis shall be performed according to the following procedure.</p> <p>a) Measure the depth-to-most-shallow groundwater from the top of the well casing to the nearest one-hundredth of a foot.</p> <p>b) Purge three well volumes of water from the well prior to sample collection.</p> <p>c) Obtain samples from the well for analysis.</p> <p>d) Properly prepare, preserve and transport samples.</p> <p>e) Analyze samples in accordance with the methods authorized in this Discharge Permit.</p>

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	<p>Within 45 days of the installation of the monitoring well the Permittee shall submit a well completion report to NMED. A well completion report shall at a minimum include; the Office of the State Engineer permit, well construction and lithologic logs, depth-to-most-shallow groundwater measurements, analytical results including the laboratory QA/QC summary report, and a facility layout map showing the location and number of each well. The Permittee shall insure the well completion report addresses each numbered item in the General Drilling and Well Specifications in the Monitoring Well Guidelines.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

Groundwater Monitoring Conditions

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26.	<p>The Permittee shall perform semi-annual groundwater sampling in the following groundwater monitoring wells and analyze the samples for TKN, NO₃-N, TDS and Cl.</p> <ul style="list-style-type: none">a) MW-1, located hydrologically downgradient (east of the Skunk Alley (School House Road) septic tank/leachfield system.b) MW-2, located hydrologically upgradient (north) of the Lodge Area (HQ Area) septic tank/leachfield system.c) MW-3, located southwest of the Lodge Area (HQ Area) septic tank/leachfield system.d) MW-4, located hydrologically downgradient of the Skunk Alley (School House Road) septic tank/leachfield system.e) MW-5, located hydrologically downgradient of the Maxwell House (Shop Area) septic tank/leachfield system.f) MW-6, located near the Employee Housing in Spring Creek Ridge and 20 to 50 feet hydrologically downgradient of Houses 23 and 24. <p>The Permittee shall perform groundwater sample collection, preservation, transport and analysis according to the following procedures.</p> <ul style="list-style-type: none">a) Measure the depth-to-most-shallow groundwater from the top of the well casing to the nearest one-hundredth of a foot.b) Purge three well volumes of water from the well prior to sample collection.c) Obtain samples from the well for analysis.d) Properly prepare, preserve and transport samples.e) Analyze samples in accordance with the methods authorized in this Discharge Permit.

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	<p>The Permittee shall submit the depth-to-most-shallow groundwater measurements and the laboratory analytical data results including the laboratory QA/QC summary report for each well, and a Facility layout map showing the location and number of each well to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
27.	<p>NMED shall have the option to perform downhole inspections of all groundwater monitoring wells identified in this Discharge Permit. NMED shall establish the inspection date and provide at least a 60-day notice to the Permittee by certified mail. The Permittee shall remove any existing dedicated pumps at least 48 hours prior to NMED inspection to allow adequate settling time of sediment agitated from pump removal.</p> <p>Should the Permittee decide to install a pump in any of the monitoring wells without a dedicated pump, the Permittee shall notify NMED at least 90 days prior to pump installation so that NMED can schedule a downhole well inspection(s) prior to pump placement.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC]</p>

Facility Monitoring Conditions

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28.	<p>To demonstrate compliance with the authorized discharge volume, the Permittee shall on a monthly basis estimate the volume of wastewater discharged to the septic tank/leach field systems, the grease tanks, and the Vehicle Wash Water Impoundment by recording meter readings for the Facility's five water supply wells and on a monthly basis calculating the average daily usage volumes.</p> <p>The discharge volume shall be determined based on a percentage of the potable water supply. 30% of the water supply is assumed for irrigation and 70% of the water supply is assumed for septic discharge. The maximum daily discharge shall be based on the highest recorded discharge multiplied by a peaking factor of 1.5.</p> <p>Each month, the Permittee shall make note of any significant uses of the water (e.g., irrigation, evaporative cooling or leaks) that do not contribute to the volume of wastewater managed in the septic tank/leach field systems, the grease tanks, and the Vehicle Wash Water Impoundment.</p>

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	<p>The Permittee shall submit the monthly meter readings for each of five supply wells, the estimated monthly and average daily influent volumes, and notes and estimated volume of significant uses to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
29.	<p>Septic tank/leach fields: The Permittee shall collect a wastewater sample from the septic tanks listed below on an annual basis and analyze the samples for TKN, TDS, and CL. The wastewater samples shall be collected from the following tanks:</p> <ul style="list-style-type: none">• Lodge Area/ HQ Area (septic tank);• Kitchen/ HQ Area (final septic tank in series); and• Skunk Alley (final septic tank in series). <p>The Permittee shall ensure the samples are properly prepared, preserved, transported and analyzed in accordance with the methods authorized in this Discharge Permit at Condition 20. The Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the monitoring reports due by February 1 of each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
30.	<p>Vehicle Wash Water Impoundment: The Permittee shall collect a composite wastewater sample on a semi-annual basis (once every six months) from the Vehicle Wash Water Impoundment. The composite sample shall consist of a minimum of six equal aliquots collected equidistantly around the entire perimeter of the Impoundment and thoroughly mixed. The Permittee shall analyze the composite sample for:</p> <ul style="list-style-type: none">• TKN;• NO₃-N;• TDS; and• Cl. <p>The Permittee shall ensure the sample is properly prepared, preserved, transported and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the analytical results, including the QA/QC summary and Chain of Custody, to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
31.	<p>Vehicle Wash Water Impoundment: The Permittee shall collect a composite wastewater on an annual basis from a representative location within the impoundment for chemical characterization. The Permittee shall analyze the composite sample for:</p>

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	<ul style="list-style-type: none"> aluminum (CAS 7429-90-5) arsenic (CAS 7440-38-2) barium (CAS 7440-39-3) cadmium (CAS 7440-43-9) chromium (CAS 7440-47-3) iron (CAS 7439-89-6) lead (CAS 7439-92-1) manganese (CAS 7439-96-5) total mercury (nonfiltered) (CAS 7439-97-6) pH (instantaneous) selenium (CAS 7782-49-2) silver (CAS 7440-224) benzene (CAS 71-43-2) ethylbenzene (CAS 100-41-4) methylene chloride (CAS 75-09-2) PAHs: total naphthalene (CAS 91-20-3) plus monomethylnaphthalenes tetrachloroethene (PCE, CAS 127-18-4) toluene (CAS 108-88-3) total xylenes (CAS 1330-20-7) chloride (CAS 16887-00-6) total dissolved solids <p>In the event that there is no wastewater in the impoundment, the Permittee shall collect a grab sample from the influent line to the impoundment during vehicle washing operations.</p> <p>The Permittee shall properly prepare, preserve, transport and analyze the samples in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical results, including the QA/QC summary and Chain of Custody, to NMED in the monitoring reports due by August 1st each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
32.	<p>The Permittee shall submit copies of all records of solids and grease removal and disposal to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

C. CORRECTIVE ACTION REQUIRED

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33.	<p>The Permittee's groundwater data and monitoring reports document that the groundwater downgradient of the Maxwell House (Shop Area) septic tank/leachfield system indicates exceedances of the groundwater standard for nitrate nitrogen (NO₃ as N) pursuant to Section 20.6.2.33103 NMAC in monitoring well MW-5.</p>

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	<p>Within six months following the effective date of this Discharge Permit (by DATE), the Permittee shall submit to NMED for approval a Corrective Action Plan (CAP) for the exceedances of NO₃ as N in MW-5. The CAP shall propose, at a minimum, source control measures and an implementation schedule.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>

D. CONTINGENCY PLAN

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34.	<p>In the event that groundwater monitoring indicates that groundwater exceeds a standard identified in Section 20.6.2.3103 NMAC in a monitoring well with no previous exceedances of the chemical constituent at the date of issuance of this Discharge Permit, the Permittee shall collect a confirmatory sample from the monitoring well within 15 days of receipt of the initial sampling results to confirm the initial sampling results.</p> <p>Within 60 days of confirmation of groundwater contamination, the Permittee shall submit to NMED a Corrective Action Plan (CAP) that proposes, at a minimum, contaminant source control measures and an implementation schedule. The Permittee shall the CAP as approved by NMED.</p> <p>Once this groundwater exceedance response condition is invoked, whether during the term of this Discharge Permit or after the term of this Discharge Permit and prior to the completion of the Discharge Permit closure plan requirements, this condition shall apply until the Permittee has fulfilled the requirements of this condition and groundwater monitoring confirms for a minimum of eight (8) consecutive quarterly samples that groundwater does not exceed the standards of Section 20.6.2.3103 NMAC.</p> <p>Violation of the groundwater standard beyond 180 days after the confirmation of groundwater contamination may cause NMED to require the Permittee to abate water pollution consistent with the requirements and provisions of Section 20.6.2.4101, Section 20.6.2.4103, Subsections C and E of 20.6.2.4106, Section 20.6.2.4107, Section 20.6.2.4108 and Section 20.6.2.4112 NMAC.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>
35.	<p>In the event that information available to NMED indicates that a well is not constructed in a manner consistent with the Monitoring Well Guidance attachment; contains insufficient water to effectively monitor groundwater quality; or is otherwise not</p>

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	<p>completed in a manner that is protective of groundwater quality, the Permittee shall install a replacement well(s) within 120 days following notification from NMED.</p> <p>The Permittee shall survey the replacement monitoring well(s) within 30 days following well completion.</p> <p>The Permittee shall install replacement wells at locations approved by NMED prior to installation and shall complete replacement wells in accordance with the Monitoring Well Guidance attachment. The Permittee shall submit well construction and lithologic logs survey data and a groundwater elevation contour map to NMED within 60 days following well completion.</p> <p>The Permittee shall properly plug and abandon a monitoring well requiring replacement upon completion of the replacement monitoring well. The Permittee shall complete the well plugging and abandonment, and shall document the abandonment procedures, in accordance with the Monitoring Well Guidance attachment and all applicable local, state, and federal regulations. The Permittee shall submit a copy of the well abandonment documentation to NMED within 60 days following the replacement well completion.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
36.	<p>Vehicle Wash Water Impoundment: In the event that inspection reveals significant damage has occurred or is likely to affect the structural integrity of the Vehicle Wash Water Impoundment liner or its ability to contain contaminants, the Permittee shall propose the repair or replacement of the impoundment liner by submitting a Corrective Action Plan (CAP) to NMED for approval. The Permittee shall ensure the CAP is submitted to NMED within 30 days after discovery of the damage or following notification from NMED that significant liner damage is evident. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following approval by NMED.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
37.	<p>Vehicle Wash Water Impoundment: In the event that a minimum of two feet of freeboard cannot be preserved in the Vehicle Wash Water Impoundment, the Permittee shall take actions authorized by this Discharge Permit and all applicable local, state, and federal regulations to restore the required freeboard.</p> <p>In the event that two feet of freeboard cannot be restored within a period of 72 hours following discovery, the Permittee shall propose actions to be immediately implemented</p>

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	<p>to restore two feet of freeboard by submitting a short-term Corrective Action Plan (CAP) to NMED for approval. Examples of short-term corrective actions include the pumping and hauling of excess wastewater from the impoundment or reducing the volume of wastewater discharged to the impoundment. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions and shall submit the CAP within 15 days following the date when the exceedance was discovered. The Permittee shall implement the CAP following approval by NMED.</p> <p>In the event that the short-term corrective actions failed to restore two feet of freeboard, the Permittee shall propose permanent corrective actions in a long-term CAP submitted to NMED within 90 days following failure of the short-term CAP. Examples include the installation of an additional storage impoundment or a significant/permanent reduction in the volume of wastewater discharged to the impoundment. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions and that implementation of the CAP is initiated following NMED approval.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
38.	<p>Septic tank/leach fields: In the event that the Permittee identifies failure of the leachfield, such as surfacing wastewater, the Permittee shall implement the following Contingency Plan.</p> <ul style="list-style-type: none">a) Within 24 hours following the discovered failure, the Permittee shall:<ul style="list-style-type: none">i) Notify NMED of the failure in accordance with the notification requirements described in the Contingency Plan for unauthorized discharges; andii) Restrict public access to the area.b) The Permittee shall conduct a physical inspection of the treatment and disposal system to identify additional potential failures and record them in the inspection log.c) The Permittee shall propose actions to address the failure and methods of correction by submitting a Corrective Action Plan (CAP) to NMED for approval within 15 days following the discovered failure. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following NMED approval. <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
39.	<p>In the event that a release occurs that is not authorized under this Discharge Permit (commonly known as a “spill”), the Permittee shall take measures to mitigate damage from the unauthorized discharge and initiate the notifications and corrective actions required in Section 20.6.2.1203 NMAC and summarized below.</p>

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	<p>Within <u>24 hours</u> following discovery of the unauthorized discharge, the Permittee shall verbally notify NMED and provide the following information.</p> <ul style="list-style-type: none"> a) The name, address, and telephone number of the person or persons in charge of the Facility, as well as of the owner and/or operator of the Facility. b) The name and address of the Facility. c) The date, time, location, and duration of the unauthorized discharge. d) The source and cause of unauthorized discharge. e) A description of the unauthorized discharge, including its estimated chemical composition. f) The estimated volume of the unauthorized discharge. g) Any actions taken to mitigate immediate damage from the unauthorized discharge. <p>Within <u>one week</u> following discovery of the unauthorized discharge, the Permittee shall submit written notification to NMED providing the information listed above and any pertinent updates.</p> <p>Within <u>15 days</u> following discovery of the unauthorized discharge, the Permittee shall submit a Corrective Action Plan (CAP) to NMED describing any corrective actions previously taken and corrective actions or to be taken relative to the unauthorized discharge. The CAP shall include the following information.</p> <ul style="list-style-type: none"> a) A description of proposed actions to mitigate damage from the unauthorized discharge. b) A description of proposed actions to prevent future unauthorized discharges of this nature. c) A schedule for completion of proposed actions. <p>In the event that the unauthorized discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 20.6.2.4103 NMAC, and the water pollution will not be abated within 180 days after notice is required to be given pursuant to Paragraph (1) of Subsection A of 20.6.2.1203 NMAC, NMED may require the Permittee to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC.</p> <p>The Permittee shall not construe anything in this condition as relieving them of the obligation to comply with all requirements of Section 20.6.2.1203 NMAC.</p> <p>[20.6.2.1203 NMAC]</p>
40.	<p>In the event that NMED or the Permittee identifies any failures of the discharge plan, i.e., the application, or this Discharge Permit not specifically noted herein, NMED may require the Permittee to submit a Corrective Action Plan and a schedule for completion of</p>

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	corrective actions to address the failure(s). Additionally, NMED may require a discharge permit modification to achieve compliance with 20.6.2 NMAC. [Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]

E. CLOSURE PLAN

Permanent Facility Closure Conditions

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41.	<p>The Permittee shall perform the following closure measures in the event the Facility, or a component of the Facility authorized by this Discharge Permit, is proposed to be permanently closed.</p> <p>Within <u>90 days</u> of ceasing to discharge to a component of the Facility authorized by this Discharge Permit, the Permittee shall complete the following closure measures.</p> <ul style="list-style-type: none">a) Plug the line leading to the system so that a discharge can no longer occur.b) Evaporate wastewater in the system components, or drained and disposed of in accordance with all local, state, and federal regulations.c) Contain, transport, and dispose of solids removed from the treatment system in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The Permittee shall maintain a record of all solids transported for off-site disposal. <p>Within <u>180 days</u> of ceasing to discharge to a component of the Facility authorized by this Discharge Permit, the Permittee shall complete the following closure measures.</p> <ul style="list-style-type: none">a) Remove all lines leading to and from the treatment system, or permanently plug and abandon them in place.b) Remove or demolish all treatment system components, and re-grade the area with suitable fill to blend with surface topography, promote positive drainage and prevent ponding.c) Perforate or remove the storage impoundment liner; fill the impoundment with suitable fill; and re-grade the impoundment site to blend with surface topography, promote positive drainage and prevent ponding. <p>The Permittee shall continue groundwater monitoring until the Permittee meets the requirements of this condition and groundwater monitoring confirms for a minimum of eight consecutive quarterly groundwater sampling events that groundwater does not exceed the standards of Section 20.6.2.3103 NMAC are not exceeded in groundwater. This period is referred to as “post-closure.”</p>

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	<p>If at any time monitoring results show an exceedance of a groundwater quality standard in Section 20.6.2.3103 NMAC, the Permittee shall implement the Contingency Plan required by this Discharge Permit.</p> <p>Following notification from NMED that the Permittee may cease post-closure monitoring may cease, the Permittee shall plug and abandon the monitoring well(s) in accordance with the Monitoring Well Guidance attachment.</p> <p>When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date stamped photographic evidence or an associated NMED inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection D of 20.6.2.4103 NMAC, 40 CFR Part 503]</p>
42.	<p>Septage Disposal Area: The Permittee shall complete the following closure measures in the event they are proposing to permanently close the Septage Disposal Area or a specific surface disposal cell:</p> <ol style="list-style-type: none">Notify NMED of any waste types the Permittee will no longer be accepting at the Septage Disposal Area or the closure of a surface disposal cell.Within 60 days of ceasing to discharge to a disposal cell, backfill the disposal cell(s) with clean fill (as necessary) and re-grade to allow for positive storm water drainage.Within 90 days of ceasing to, remove all liquid from the aqueous/non-aqueous separation equipment and properly dispose of it in accordance with this Discharge Permit. Remove tanks and piping from the applicable portion of the facility and re-grade the area to match the surrounding topography and promote positive drainage.Re-vegetate the cells and disturbed areas at the facility by establishing a vegetative cover equal to 70% of the native perennial vegetative cover consisting of at least three native plant species including at least one grass, but not including noxious weeds. The permittee shall maintain the vegetative cover through two consecutive growing seasons. <p>When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date stamped photographic evidence or an associated NMED inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

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43.	<p data-bbox="289 317 1432 432">Septic tank/leach fields: The Permittee shall perform the following closure measures in the event the Facility, or a component of the Facility, is proposed to be permanently closed, and upon ceasing discharge.</p> <p data-bbox="289 474 1432 548">Within <u>90 days</u> of ceasing discharge to the septic tank leachfield system(s) (or closed system components), the Permittee shall complete the following closure measures:</p> <ul data-bbox="289 554 1432 821" style="list-style-type: none">a) Plug all lines leading to and from the closed system(s) so that a discharge can no longer occur.b) Wastewater, septage, and grease interceptor waste shall be pumped from the system components (e.g., septic tanks, grease trap/interceptors, lift stations, dosing chambers, distribution boxes) and it shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The Permittee shall maintain a record of all wastes transported for off-site disposal. <p data-bbox="289 863 1432 936">Within <u>180 days</u> of ceasing discharge to the septic tank leachfield system(s) (or closed system components), the Permittee shall complete the following closure measures:</p> <ul data-bbox="289 942 1432 1171" style="list-style-type: none">a) Remove all lines leading to and from the closed system(s) or permanently plug them and abandon them in place.b) Remove or demolish all closed septic tanks, grease trap/interceptors, lift stations, dosing chambers, distribution boxes or other system(s) components (with the exception of leachfields) and re-grade the area with suitable fill to blend with surface topography to promote positive drainage and prevent ponding. <p data-bbox="289 1213 1432 1402">The Permittee shall continue groundwater monitoring until the Permittee meets the requirements of this condition and groundwater monitoring confirms for a minimum of eight consecutive quarterly groundwater sampling events that groundwater does not exceed the standards of Section 20.6.2.3103 NMAC are not exceeded. This period is referred to as “post-closure.”</p> <p data-bbox="289 1444 1432 1591">If at any time monitoring results show an exceedance of a groundwater quality standard in Section 20.6.2.3103 NMAC or the total nitrogen concentration is greater than 10 mg/L in groundwater, the Permittee shall implement the Contingency Plan required by this Discharge Permit.</p> <p data-bbox="289 1633 1432 1749">Following notification from NMED that the Permittee may cease post-closure monitoring, the Permittee shall plug and abandon the monitoring well(s) in accordance with the Monitoring Well Guidance attachment.</p> <p data-bbox="289 1791 1432 1864">When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date stamped photographic evidence or an associated NMED</p>

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	inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit. [Subsection A of 20.6.2.3107 NMAC, 40 CFR Part 503

F. GENERAL TERMS AND CONDITIONS

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44.	<p>RECORD KEEPING - The Permittee shall maintain a written record of:</p> <ul style="list-style-type: none">• Information and data used to complete the application for this Discharge Permit;• Information, data, and documents demonstrating completion of closure activities;• Any releases (commonly known as “spills”) not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC;• The operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater;• Facility record drawings (plans and specifications) showing the actual construction of the Facility and bear the seal and signature of a licensed New Mexico professional engineer;• Copies of logs, inspection reports, and monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit;• The volume of wastewater or other wastes discharged pursuant to this Discharge Permit;• Groundwater quality and wastewater quality data collected pursuant to this Discharge Permit;• Copies of construction records (well log) for all sampled groundwater monitoring wells pursuant to this Discharge Permit;• The maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit; and• Data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit, including:<ul style="list-style-type: none">○ the dates, location and times of sampling or field measurements;○ the name and job title of the individuals who performed each sample collection or field measurement;○ the sample analysis date of each sample○ the name and address of the laboratory, and the name of the signatory authority for the laboratory analysis;○ the analytical technique or method used to analyze each sample or collect each field measurement;

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	<ul style="list-style-type: none">○ the results of each analysis or field measurement, including raw data;○ the results of any split, spiked, duplicate or repeat sample; and○ a copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used. <p>The Permittee shall maintain the written record at a location accessible to NMED during a Facility inspection for the lifetime of the Discharge Permit. The Permittee shall make the record available to the department upon request.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC]</p>
45.	<p>INSPECTION and ENTRY – The Permittee shall allow NMED to inspect the Facility and its operations that are subject to this Discharge Permit and the WQCC regulations. NMED may upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which any maintained records required by this Discharge Permit, the regulations of the federal government, or the WQCC are located.</p> <p>The Permittee shall allow NMED to have access to and reproduce for their use any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this Discharge Permit and the WQCC regulations.</p> <p>No person shall construe anything in this Discharge Permit as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other local, state or federal regulations.</p> <p>[Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]</p>
46.	<p>DUTY to PROVIDE INFORMATION - The Permittee shall, upon NMED's request, allow for NMED's inspection/duplication of records required by this Discharge Permit and/or furnish to NMED copies of such records.</p> <p>[Subsection D of 20.6.2.3107 NMAC]</p>
47.	<p>MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the Facility or the Facility's discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated or discharged by the Facility, the Permittee shall notify NMED prior to implementing such changes. The Permittee shall obtain NMED's approval (which may require modification of this Discharge Permit) prior to implementing such changes.</p>

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	[Subsection C of 20.6.2.3107 NMAC, Subsections E and G of 20.6.2.3109 NMAC]
48.	<p>PLANS and SPECIFICATIONS – In the event the Permittee proposes to construct a wastewater system or change a process unit of an existing system such that the quantity or quality of the discharge will change substantially from that authorized by this Discharge Permit, the Permittee shall submit construction plans and specifications of the proposed system or process unit to NMED for approval prior to the commencement of construction.</p> <p>In the event the Permittee implements changes to the wastewater system authorized by this Discharge Permit that result in only a minor effect on the character of the discharge, the Permittee shall report such changes (including the submission of record drawings where applicable) to NMED prior to implementation.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
49.	<p>CIVIL PENALTIES - Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities, or any refusal or failure to provide NMED with records or information, may subject the Permittee to a civil enforcement action. Pursuant to WQA 74-6-10(A) and (B), such action may include a compliance order requiring compliance immediately or in a specified time, assessing a civil penalty, modifying or terminating the Discharge Permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to WQA 74-6-10(C) and 74-6-10.1, civil penalties of up to \$15,000 per day of noncompliance may be assessed for each violation of the WQA 74-6-5, the WQCC Regulations, or this Discharge Permit, and civil penalties of up to \$10,000 per day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the Permittee waives any objection to the admissibility as evidence of any data generated pursuant to this Discharge Permit.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]</p>
50.	<p>CRIMINAL PENALTIES – No person shall:</p> <ul style="list-style-type: none">• Make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or maintained under the WQA;• Falsify, tamper with or render inaccurate any monitoring device, method or record maintained under the WQA; or

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	<ul style="list-style-type: none">• Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. <p>Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]</p>
51.	<p>COMPLIANCE with OTHER LAWS - Nothing in this Discharge Permit shall be construed in any way as relieving the Permittee of the obligation to comply with any other applicable federal, state, and/or local laws, regulations, zoning requirements, nuisance ordinances, permits or orders.</p> <p>[NMSA 1978, § 74-6-5.L]</p>
52.	<p>RIGHT to APPEAL - The Permittee may file a petition for review before the WQCC on this Discharge Permit. Such petition shall be in writing to the WQCC within thirty days of the receipt of postal notice of this Discharge Permit and shall include a statement of the issues raised and the relief sought. Unless the Permittee files a timely petition for review, the decision of NMED shall be final and not subject to judicial review.</p> <p>[20.6.2.3112 NMAC, NMSA 1978, § 74-6-5.O]</p>
53.	<p>TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this Facility or any portion thereof, the Permittee shall:</p> <ul style="list-style-type: none">• Notify the proposed transferee in writing of the existence of this Discharge Permit;• Include a copy of this Discharge Permit with the notice; and• Deliver or send by certified mail to NMED a copy of the notification and proof that the proposed transferee has received such notification.

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	<p>The Permittee shall continue to be responsible for any discharge from the Facility, until both ownership and possession of the Facility have been transferred to the transferee.</p> <p>[20.6.2.3111 NMAC]</p>
54.	<p>PERMIT FEES – The Permittee shall be aware that the payment of permit fees is due at the time of Discharge Permit approval. The Permittee may pay the permit fees in a single payment or they may pay the fee in equal installments on a yearly basis over the term of the Discharge Permit. The Permittee shall remit single payments to NMED no later than 30 days after the Discharge Permit issuance date. The Permittee shall remit initial installment payments to NMED no later than 30 days after the Discharge Permit issuance date; with subsequent installment payments remitted to NMED no later than the anniversary of the Discharge Permit issuance date.</p> <p>Permit fees are associated with <u>issuance</u> of this Discharge Permit. No person shall construe anything in this Discharge Permit as relieving the Permittee of the obligation to pay all permit fees assessed by NMED. A Permittee that ceases discharging or does not commence discharging from the Facility during the term of the Discharge Permit shall pay all permit fees assessed by NMED. NMED shall suspend or terminate an approved Discharge Permit if the Permittee fails to remit an installment payment by its due date.</p> <p>[Subsection F of 20.6.2.3114 NMAC, NMSA 1978, § 74-6-5.K]</p>



New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

Facility Information

Facility Name Vermejo Park Ranch
Discharge Permit Number DP-261
Legally Responsible Party Gustav Holm, General Manager
Vermejo Park Ranch
PO Drawer E
Raton, NM 87740
(575) 445-2059

Treatment, Disposal and Site Information

Primary Waste Type Domestic/Septage Disposal
Facility Type Lodging/Recreation

Treatment Methods

Type	Designation	Description & Comments
Septic Tank	Lodge Area (HQ Area)	20,000-gallon capacity; concrete; installed 2001. Serves 4 houses, guesthouses and the administration building
Septic Tank	Kitchen (HQ Area) (2 STs)	2 x 1,250-gallon capacities; concrete; installed 1999
Grease Interceptor	Kitchen (HQ Area) (2 Tanks)	2 x 1,250-gallon capacities; concrete; installed 2008
Septic Tank	Skunk Alley (2 STs) (School House Road)	2 x 1,250-gallon capacities; fiberglass; serves four houses; installed 2007
Septic Tank	Casa Poco (2 STs) (School House Road)	2 x 1,250-gallon capacities; concrete; installed 2005
Septic Tank	Maxwell House (2 STs) (Shop Area)	1,500-gallon capacity; concrete; installed 1998
Septic Tank	Maxwell House #2	1,500-gallon capacity; concrete; installed 1998
Septic Tank	Adam's House (Shop Area)	3,000-gallon capacity; installed 1985; serves the seasonal dorm
Septic Tank	Bunkhouse (Shop Area)	1,250-gallon capacity; concrete; serves two apartments; installed 1997
Septic Tank	Shop (Shop Area)	3,000-gallon capacity; concrete; serves 2 houses; installed 1997
Septic Tank	Trailer #15 (Shop Area)	1,250-gallon capacity; seasonal residence; installed pre-1973
Septic Tank	Trailer #16 (Shop Area)	1,000-gallon capacity; concrete; 2 seasonal RVs; installed 2005



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Septic Tank	House #17 (Shop Area)	1,250-gallon capacity; concrete; seasonal residence; installed 2005
Septic Tank	House #18 (Shop Area)	1,000-gallon capacity; concrete; installed 2005
Septic Tank	Vermejo Park House #19 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 2005
Septic Tank	Vermejo Park House #20 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 1985
Septic Tank	Vermejo Park House #21 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 1985
Septic Tank	Vermejo Park House #22 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 1985
Septic Tank	Vermejo Park House #23 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 1985
Septic Tank	Vermejo Park House #24 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 1985
Septic Tank	Vermejo Park House #25 (Spring Creek Ridge)	1,250-gallon capacity; concrete; installed 1985
Septic Tank	Duplex #1 (2 STs) (Spring Creek Ridge)	1,250 and 1,000-gallon capacities; in series; concrete; installed 2006
Septic Tank	Duplex #2 (2 STs) (Spring Creek Ridge)	1,250 and 1,000-gallon capacities; in series; concrete; installed 2006
Septic Tank	Duplex #3 (2 STs) (Spring Creek Ridge)	1,250 and 1,000-gallon capacities; in series; concrete; installed 2008
Septic Tank	Fire Station (2 STs) (Spring Creek Ridge)	(2) 1,000-gallon capacity each; concrete; to be installed 2013

Discharge Locations

Type	Designation	Description & Comments
Leachfield	Lodge Area (HQ Area)	Leachfield; 6,360 ft ²
Leachfield	Kitchen (HQ Area) (2 STs)	70 infiltrators @ 3 feet each in 3 rows = 1,890ft ²
Leachfield	Skunk Alley (School House Road)	432' of infiltrators = 1,296 ft ²
Leachfield	Casa Poco (School House Road) (2 STs)	30 infiltrators @ 4 feet each = 360ft ²



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Leachfield	Maxwell House ST-1 (Shop Area)	infiltrators = 240 ft ²
Leachfield	Maxwell House ST-2 (Shop Area)	infiltrators = 240 ft ²
Leachfield	Adam's House (Shop Area)	170' x 3' trench = 510ft ²
Leachfield	Bunkhouse (Shop Area)	30 infiltrators @ 4 feet each = 360ft ²
Leachfield	Shop (Shop Area)	45 infiltrators @ 4 feet each = 540ft ²
Leachfield	Trailer #15 (Shop Area)	100' x 3' gravel trench = 300 ft ²
Leachfield	Trailer #16 (Shop Area)	16 infiltrators @ 4 feet each = 192 ft ²
Leachfield	House #17 (Shop Area)	24 infiltrators @ 4 feet each = 288ft ²
Leachfield	House #18 (Shop Area)	20 infiltrators @ 4 feet each = 240ft ²
Leachfield	Vermejo Park House #19 (Spring Creek Ridge)	15 infiltrators @ 4 feet each = 180ft ²
Leachfield	Vermejo Park House #20 (Spring Creek Ridge)	80ft x 3ft; 240 ft ²
Leachfield	Vermejo Park House #21 (Spring Creek Ridge)	80ft x 3ft; 240 ft ²
Leachfield	Vermejo Park House #22 (Spring Creek Ridge)	80ft x 3ft; 240 ft ²
Leachfield	Vermejo Park House #23 (Spring Creek Ridge)	80ft x 3ft; 240 ft ²
Leachfield	Vermejo Park House #24 (Spring Creek Ridge)	80ft x 3ft; 240 ft ²
Leachfield	Vermejo Park House #25 (Spring Creek Ridge)	80ft x 3ft; 240 ft ²
Leachfield	Duplex #1 (Spring Creek Ridge)	infiltrators (4 rows, 100') = 1,200 ft ²
Leachfield	Duplex #2 (Spring Creek Ridge)	infiltrators (4 rows, 100') = 1,200 ft ²
Leachfield	Duplex #3 (Spring Creek Ridge)	infiltrators (4 rows, 100') = 1,200 ft ²



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Leachfield	Fire Station (Spring Creek Ridge)	infiltrators (4 rows, 78') = 1,493 ft ²
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Flow Metering Locations

Type	Designation	Description & Comments
Supply Well Meter	One meter for five supply wells	Five supply wells, designated as CR 00471 S-1 through S-5, located east to west along the Vermejo River, northwest of the Shop Area

Ground Water Monitoring Locations

Type	Designation	Description & Comments
Monitoring Well	MW-1	Located hydrologically downgradient (east) of the Skunk Alley (School House Road) septic tank/leachfield system.
Monitoring Well	MW-2	Located hydrologically upgradient (north) of the Lodge Area (HQ Area) septic tank/leachfield system.
Monitoring Well	MW-3	Located southwest of the Lodge Area (HQ Area) septic tank/leachfield system.
Monitoring Well	MW-4	Located hydrologically downgradient of the Skunk Alley (School House Road) septic tank/leachfield system.
Monitoring Well	MW-5	Located hydrologically downgradient of the Maxwell House (Shop Area) septic tank/leachfield system.
Monitoring Well	MW-6	Required to be installed, located near the Employee Housing in Spring Creek Ridge and 20 to 50 feet hydrologically downgradient of Houses 23 and 24.

Depth-to-Ground Water 12.3 feet
Total Dissolved Solids (TDS) 1,400 mg/L

Permit Information

Original Permit Issued January 24, 1983
Permit Renewal September 4, 1987
Permit Renewal July 14, 1993
Permit Renewal October 20, 1998
Permit Renewal and Modification December 27, 2004
Permit Renewal and Modification April 30, 2008
Permit Renewal July 12, 2013

Current Action	Renewal and Modification
Application Received	September 4, 2018
Public Notice Published	[not yet published]
Permit Issued (Effective Date)	[effective date]
Permitted Discharge Volume	42,640 gallons per day of wastewater, 20,000 gallons per year of septage



New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

NMED Contact Information

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